

# Web Traffic across the Firewall

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**Elise Lee, CIC-5**

# Firewall Web Components

## ◆ DMZ

### ■ Application Servers

- ◆ Out-going Proxy (Vulcania)
- ◆ In-coming Proxy (wwwproxy)

## ◆ Routers



# Out-going Proxy (Vulcania/www-proxy)

## ◆ History

- configure proxy preference

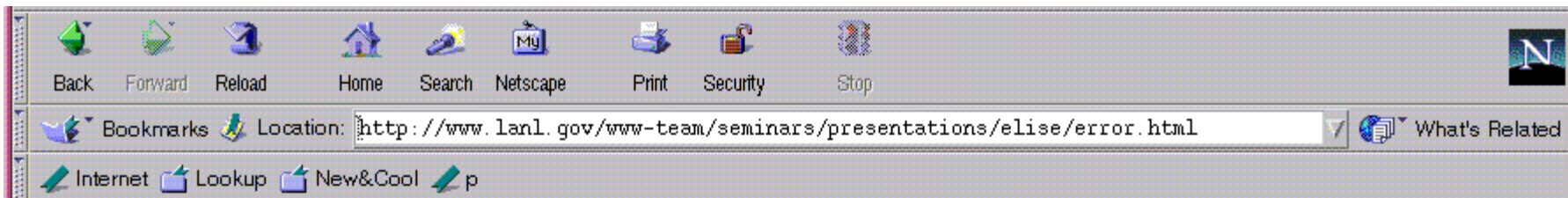
## ◆ Why proxy?

- cache
- masquerade
- waste, fraud and abuse

## ◆ Rules

- blue to [www.lanl.gov](http://www.lanl.gov)





## ERROR

### The requested URL could not be retrieved

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While trying to retrieve the URL: <http://whitehouse.com/>

The following error was encountered:

- **Access Denied.**

Access control configuration prevents your request from being allowed at this time. Please contact your service provider if you feel this is incorrect.

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Generated Thu, 20 May 1999 18:36:00 GMT by vulcania.lanl.gov ([Squid/2.1.RELEASE](#))

# In-coming Proxy ([wwwproxy/nicext](http://wwwproxy/nicext))

- ◆ Who uses the In-coming Proxy?
- ◆ Authentication (SSL)
  - securID and crypto cards
  - HTTP\_COOKIE
- ◆ Cookie preference





| Authentication                              |                      |
|---|----------------------|
| Z Number/Username:                          | <input type="text"/> |
| Passcode:                                   | <input type="text"/> |
| <input type="button" value="Authenticate"/> |                      |

Don't have a SecurID card? You can get one from the [ICN Password Office](#).

**Confused? Try checking the list of [moved web sites](#) to see if the page you're trying to load has moved.**

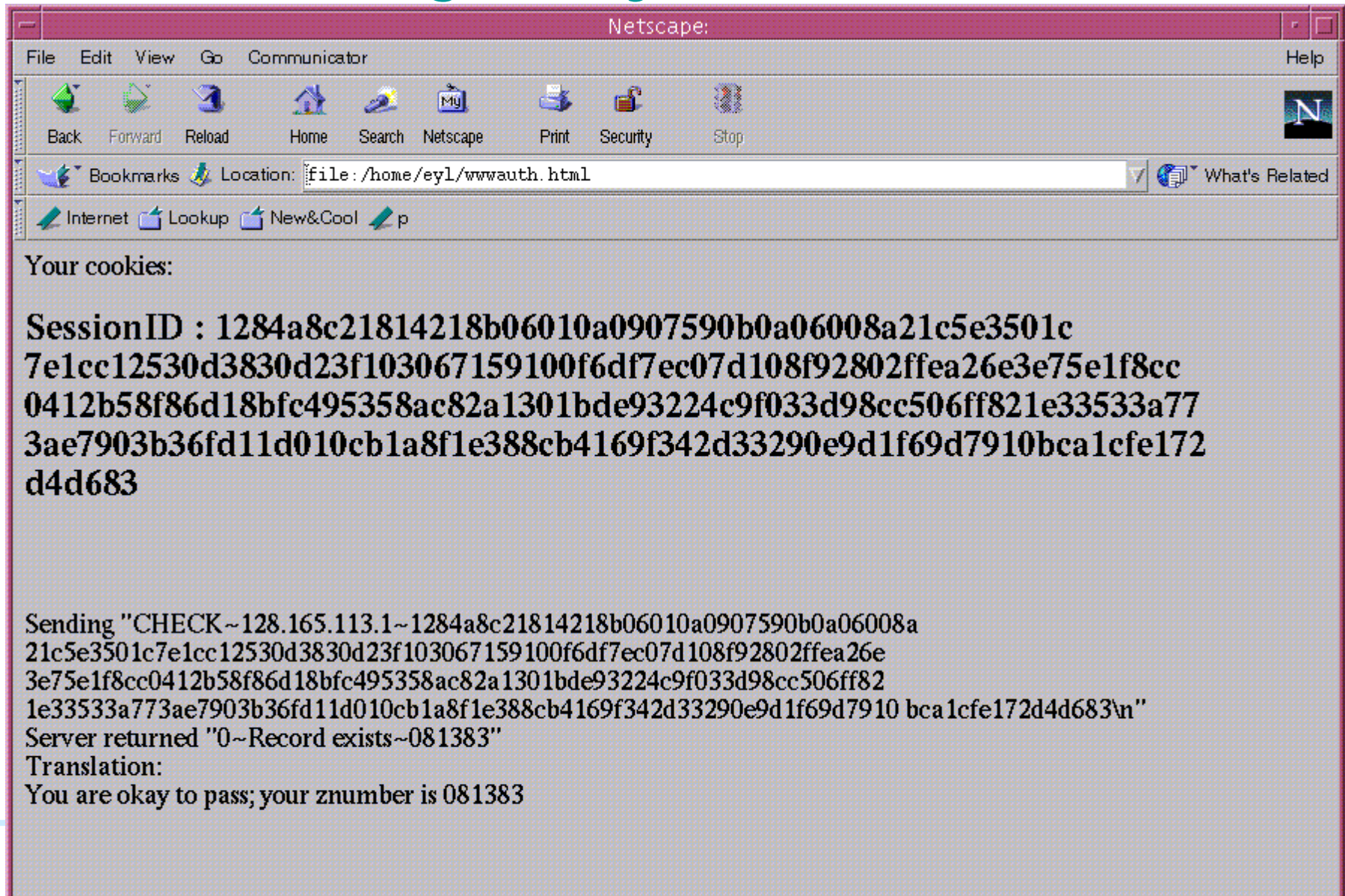
The site you are trying to access has recently been moved behind a firewall, you are being asked to authenticate in order to view the information. If you are trying to view public information, it has most likely moved to a public server; you may try searching from the [main LANL web server](#) to find the new location of the web page. You may also contact [www-core@lanl.gov](mailto:www-core@lanl.gov) and ask for more assistance getting to:

`https://wwwproxy.lanl.gov/GET/http://int.lanl.gov/orgs/cic/cic4`

**Notice:** This computer system may contain sensitive data and is for authorized use only. All use is subject to audit and may be monitored. Any misuse or unauthorized access is prohibited and is subject to criminal and civil penalties. Evidence of unauthorized activity may be provided to law enforcement officials. This computer system is operated under the auspices of the U S



# In-coming Proxy - session ID



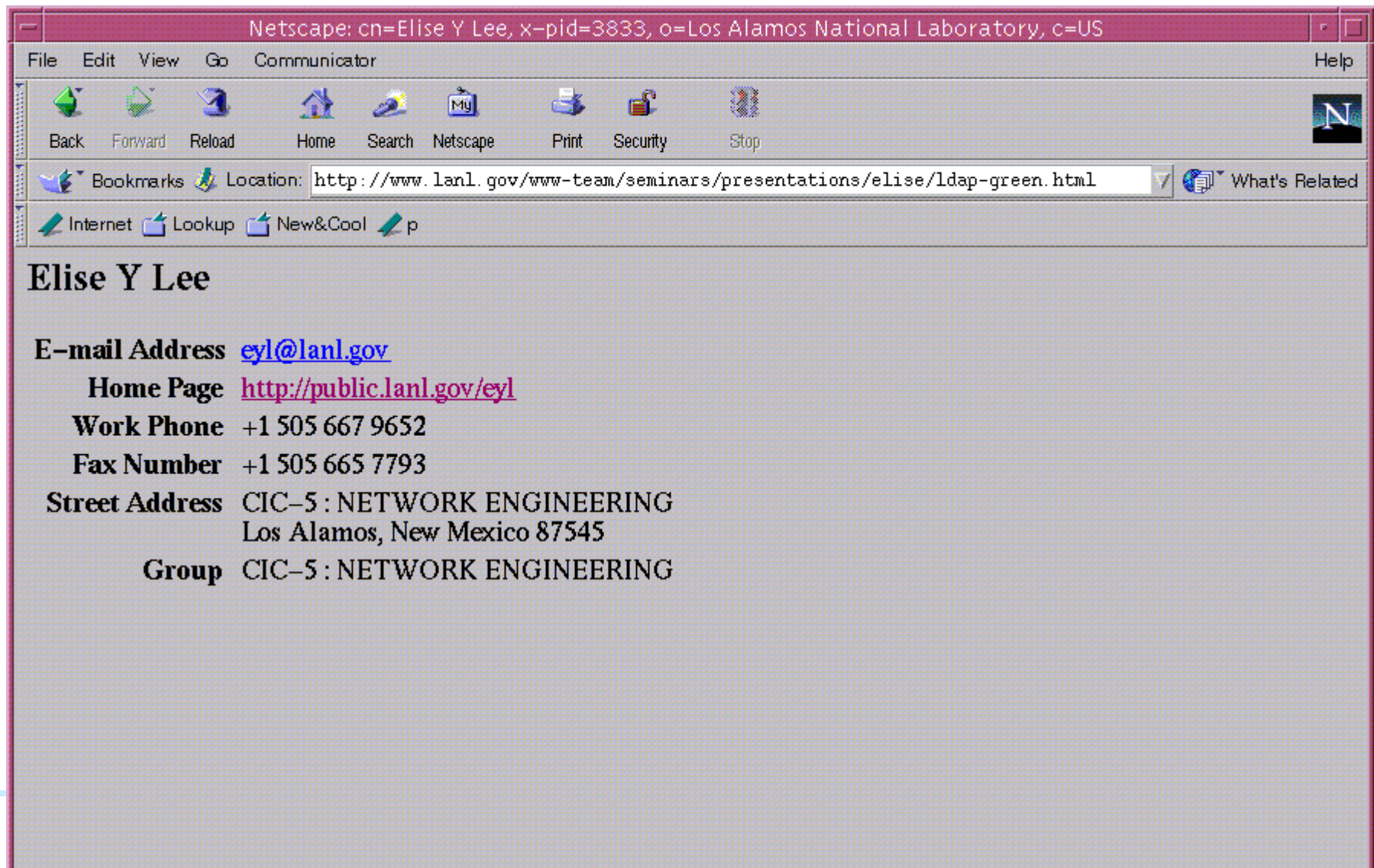
# Other servers supporting Web

- ◆ **Phone Look-up**
  - LDAP-Green
  - LDAP
- ◆ **Search Engines**
- ◆ **Sybase Data Base**
- ◆ **KNSC (Kerberos Network Security Controller)**
- ◆ **UDP proxy**
- ◆ **CIC mail pop servers**

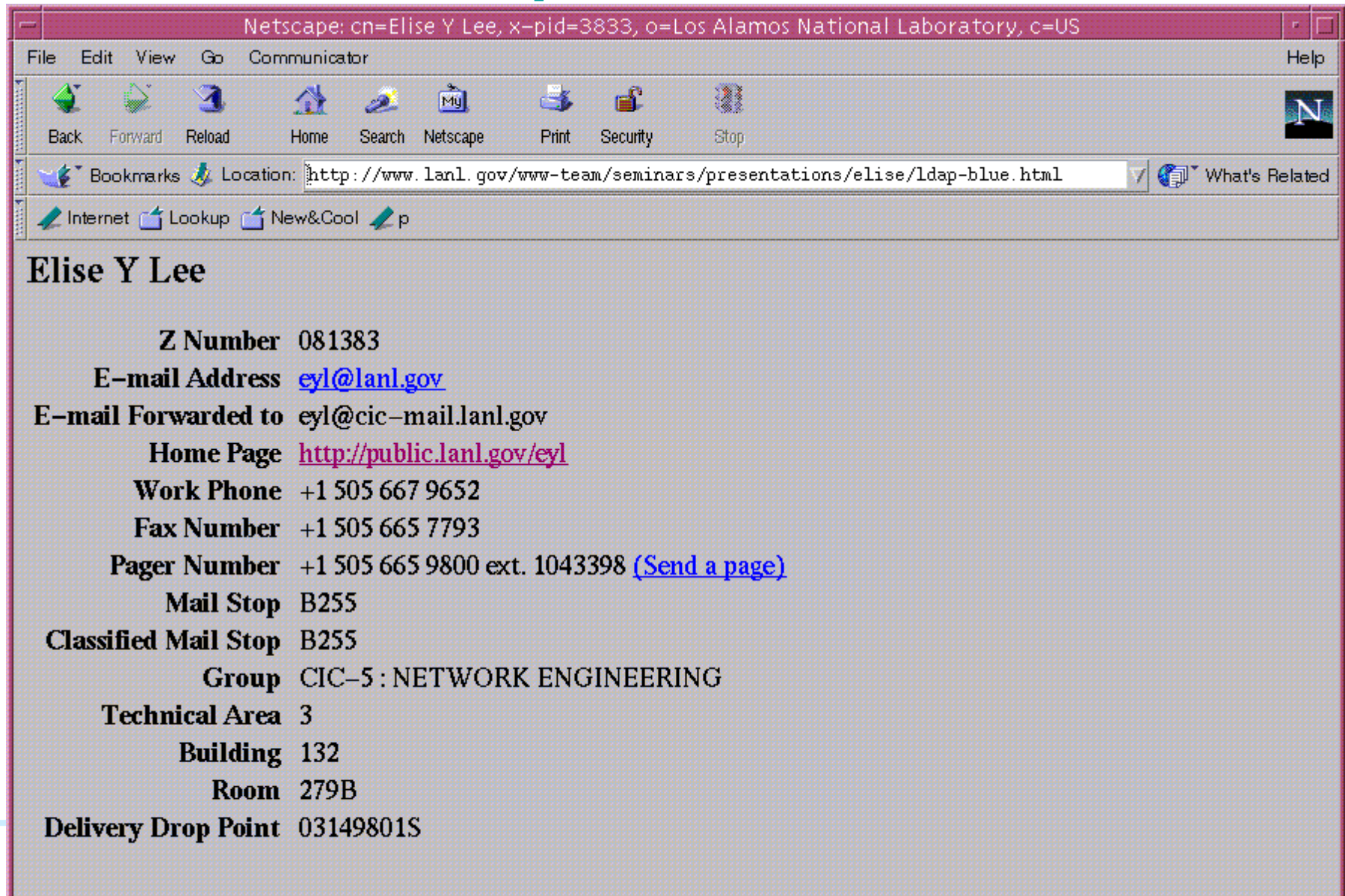




# LDAP-Green - sample



# LDAP - sample



The screenshot shows a Netscape browser window with the title bar "Netscape: cn=Elise Y Lee, x-pid=3833, o=Los Alamos National Laboratory, c=US". The menu bar includes "File", "Edit", "View", "Go", "Communicator", and "Help". The toolbar contains icons for "Back", "Forward", "Reload", "Home", "Search", "Netscape", "Print", "Security", and "Stop". The "Location" bar shows the URL "http://www.lanl.gov/www-team/seminars/presentations/elise/ldap-blue.html". Below the toolbar, there are links for "Bookmarks", "Internet", "Lookup", "New&Cool", and "p". The main content area displays the LDAP entry for "Elise Y Lee" with the following details:

**Elise Y Lee**

**Z Number** 081383

**E-mail Address** [eyl@lanl.gov](mailto:eyl@lanl.gov)

**E-mail Forwarded to** [eyl@cic-mail.lanl.gov](mailto:eyl@cic-mail.lanl.gov)

**Home Page** <http://public.lanl.gov/eyl>

**Work Phone** +1 505 667 9652

**Fax Number** +1 505 665 7793

**Pager Number** +1 505 665 9800 ext. 1043398 ([Send a page](#))

**Mail Stop** B255

**Classified Mail Stop** B255

**Group** CIC-5 : NETWORK ENGINEERING

**Technical Area** 3

**Building** 132

**Room** 279B

**Delivery Drop Point** 03149801S

# Misc. Quiz Time

- ◆ What is labview?
- ◆ What is worldview?



# Quiz Time - Labview

Netscape: Inside Los Alamos National Laboratory

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Stop

Bookmarks Location: <http://www.lanl.gov/labview/> What's Related


Internet Lookup New&Cool p

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# Quiz Time - Worldview

Netscape: Los Alamos National Laboratory

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Stop

Bookmarks Location: <http://www.lanl.gov/worldview/> What's Related

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